

REMARKS

Claims 1 – 19 as originally filed have been cancelled. New claims 20 – 41 have been added. Independent claim 20 discloses a method for using a system of semaphores that enable a first and second program to cooperatively determine whether code or data is stored in associated memory segments associated therewith. In contrast, none of the cited references (U.S. Patent 6,205,522 issued to Hudson, U.S. Patent 6,175,900 issued to Forin, or U.S. Patent 5,579,520) taken singly or in any combination anticipate or reasonably suggest independent claim 20,

“ providing a storage location for capable of storing semaphore values each of which are associated with one of said memory segments and operable to indicate whether said associated memory segment contains program code or data that is available for use;
providing a first program and a second program each operable to access the semaphore values;
accessing a first semaphore value by said first program;
determining if the program code or data in the memory segment associated with the first semaphore value is available for use based upon the first semaphore value; and
using the first program to implement the code or data stored in the memory segment associated with the first semaphore value”. (emphasis added)

More specifically, Forin merely uses a hierarchically based bit map manager to indicate whether or not a particular memory block in a memory heap is suitable is available. In contrast, the invention as recited in claim 20 uses a system of semaphores to indicate the content of an associated memory segment and whether that content is available for use by a program. Independent claim 30 recites the same limitations as claim 20 albeit in computer program product form that in nonetheless also allowable over the cited art.

All dependent claims depend either directly or indirectly from claims 20 or 40 and are also allowable for at least the reasons stated for claims 20 and 40.

Therefore, the Applicant believes that the new claims 20 – 41 are allowable over the cited references.

CONCLUSION

In view of the foregoing, it is respectfully submitted that all pending claims are allowable. Should the Examiner believe that a further telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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